

AMENDMENTS TO THE CLAIMS

1-38. (cancelled)

39. (currently amended) A portable motorcycle lifting device for supporting a motorcycle having front and rear tires, the device comprising:

an inner lifting structure having a first forward and first rearward end;

an outer lifting structure having a second forward and second rearward end;

an upper wheel cradle support having a third forward and third rearward end, the wheel cradle support being sized and configured to receive tires of the motorcycle; and

an articulated lifting system integrated within said inner and outer lifting structures, wherein said inner lifting structure is generally positioned within said outer lifting structure and both lifting structures are connected by a common fulcrum positioned approximately in the middle of each lifting structure,

wherein said second rearward end of said outer lifting structure is rotatably and slidably attached to said third rearward end of said upper support cradle,

wherein said first forward end of said inner ~~outer~~ lifting structure is rotatably attached to said third forward end of said upper cradle support,

wherein said articulated lifting system may be operated to raise said upper cradle support from a non-deployed position to a fully deployed position.

40. (currently amended) The lifting device according to claim 39~~claim 37~~, said first rearward end of said outer lifting structure having a first transversely mounted cross member, and said second forward end of said outer lifting structure having a second transversely mounted cross member.

41. (original) The lifting device according to claim 40, said first cross member having a roller wheel assembly mounted to each end of said first cross member.

42. (original) The lifting device according to claim 41, wherein when said lifting device is deployed or reconfigured to the non-deployed position, said first cross member rolls on the floor surface via said roller wheel assemblies and said second cross member stays in a stationary position.

43. (original) The lifting device according to claim 42, wherein when said lifting device may be moved similar to that of a dolly.

44. (original) The lifting device according to claim 42, wherein said lifting device may be stored in a vertically upright position similar to that of a dolly.

45. (original) The lifting device according to claim 39, said inner lifting structure, outer lifting structure, and upper cradle support formed from light weight high-strength tubing.

46. (original) The lifting device according to claim 39, said upper cradle support having a generally channel shaped cross section adapted to receive at least one of a front and rear tire of a motorcycle.

47. (original) The lifting device according to claim 46, said cradle support adapted to support sidewalls of at least one of the front and rear tire of the motorcycle.

48. (original) The lifting device according to claim 45, said upper cradle support comprising longitudinally and parallel oriented lower left and right support members and upper left and right support members, said upper left support member spaced above and laterally outward from said lower left support member and said upper right support member spaced above and laterally outward from said lower right support member.

49. (original) The lifting device according to claim 48, wherein said lower left and right support members are adapted to support a tread and ground contacting region of a motorcycle tire, and wherein said upper left and right support members are adapted and positioned to support a sidewall region of the motorcycle tire.

50. (original) The lifting device according to claim 39, said upper cradle support further comprising a wheel chock.

51. (original) The lifting device according to claim 50, said wheel chock adapted to accept an incoming wheel without requiring any adjustment by the operator of said lifting device.

52. (original) The lifting device according to claim 39, said third forward end of said upper cradle having an upwardly inclined portion which forms a forward tire cradle.

53. (currently amended) ~~The~~ A portable motorcycle lifting device comprising according to claim 39, said

an inner lifting structure having a first forward and first rearward end;

an outer lifting structure having a second forward and second rearward end;

an upper cradle support having a third forward and third rearward end;

an articulated lifting system integrated within said inner and outer lifting structures, wherein said inner lifting structure is generally positioned within said outer lifting structure and both lifting structures are connected by a common fulcrum positioned approximately in the middle of each lifting structure, the articulated lifting system comprising,

a hydraulic bottle jack having a base pivotally mounted about a jacking device axle mounted transversely in a rearward region of said inner lifting structure, and a displacement arm which is adapted to be hydraulically pushed from said bottle jack, said displacement arm having a distal end;

a lifting arm rotatably attached about said fulcrum, said lifting arm having a forward portion and a rearward portion, said rearward portion pivotally attached to said distal end of said displacement arm; and

a forward linkage arm having one end pivotally attached to said forward portion of said lifting arm, and another end pivotally attached to said second forward end of said outer lifting ~~structure; structure.~~

wherein said second rearward end of said inner lifting structure is rotatably and slidably attached to said third rearward end of said upper support cradle,

wherein said first forward end of said outer lifting structure is rotatably attached to said third forward end of said upper cradle support,

wherein said articulated lifting system may be operated to raise said upper cradle support from a non-deployed position to a fully deployed position.

54. (original) The lifting device according to claim 53, wherein said bottle jack is operated by a remote jacking system comprising a jacking arm attached to a jacking arm axle housing, a jacking leverage arm connected to said axle housing, and a jacking linkage arm having one arm articulately linked to the leverage arm and another end articulately linked to a jacking input of said hydraulic bottle jack.

55. (original) The lifting device according to claim 53, further comprising a remote pressure release feature.

56. (original) The lifting device according to claim 55, said remote pressure release feature comprising a cable having a flexible inner turning element with one end connected to a bleed valve on said hydraulic bottle jack, and another end attached to a first end

of an inner rotatable rod rotatably housed in a longitudinal housing, and a thumb wheel knob attached to a second end of the inner rotatable rod.

57. (original) The lifting device according to claim 55, said remote pressure release feature comprising an articulated arm comprising at least two segments having a swivel joint therebetween each of said at least two segments, said articulated arm having a first end swivel attached to a bleed valve on said hydraulic bottle jack, and a thumb wheel knob attached to a second end of said articulated arm.

58. (original) The lifting device according to claim 50, wherein when said motorcycle lifting device is in the non-deployed position, said articulated lifting system is positioned in a generally straight configuration within said inner and outer lifting structure.

59. (original) The lifting device according to claim 39, wherein when said motorcycle lifting device is in the non-deployed position, said inner and outer lifting structures are oriented in a generally parallel manner with respect to each other.

60. (original) The lifting device according to claim 39, said inner and outer lifting structures forming a scissor frame.

61. (original) The lifting device according to claim 39, further comprising a removable rear support section rotatably attached to said rearward end of said upper cradle support, said rear support section having a vertically oriented lower ramp support formed from a tubular member having a substantial bend forming an elbow which is adapted to contact the ground for support when a motorcycle is being loaded onto said lifting device.

62. (original) The lifting device according to claim 61, further comprising an upper support plate positioned atop and fixedly attached to said removable rear support section.

63. (original) The lifting device according to claim 61, wherein said rear support section may be folded upwards and positioned next to said upper cradle support when said lifting device stored in a vertical position.

64. (original) The lifting device according to claim 39, further comprising a bracing member which is hingedly attached to an upper forward end of said inner lifting member and which may be engaged with one of a series of catches positioned on an upper forward portion of said outer lifting structure.

65. (original) The lifting device according to claim 61, further comprising a removable ramp adapted to be attached to a rearward portion of the rear support section and further adapted to contact the ground.

66. (original) The lifting device according to claim 65, said removable ramp comprising a tubular frame structure having a generally rectangular and planar shape, and a ramp hook attached to an end of said ramp for attachment to said rear support section.

67. (original) The lifting device according to claim 45, further comprising a removable and positionable auxiliary jacking device adapted to fit within said upper cradle support.

68. (new) A portable motorcycle lifting device comprising:

- a first lifting structure having a first forward and first rearward end;

- a second lifting structure having a second forward and second rearward end, the second lifting structure connected to the first lifting structure by a common fulcrum positioned approximately in the middle of each lifting structure;

- an upper cradle support having a third forward and third rearward end, the second rearward end being rotatably and slidably attached to the third rearward end, and the first forward end being rotatably attached to the third forward end; and

- an articulated lifting system integrated with said first and second lifting structures, the articulated lifting system comprising:

- a jack connected to the first rearward end of the first lifting structure;

- a lifting arm rotatably attached about the fulcrum, the lifting arm having a forward portion and a rearward portion, the rearward portion of the lifting arm rotatably connected to the jack; and

- a forward linkage arm having one end pivotally attached to forward portion of the lifting arm and another end pivotally attached to the second forward end of the second lifting structure;

- wherein extension of the jack draws the second rearward end closer to the first forward end to raise the upper cradle support from a non-deployed position to a fully deployed position.

69. (new) A portable motorcycle lifting device for supporting front and rear tires of a motorcycle, the device comprising:

a first lifting structure having a first forward and first rearward end;

a second lifting structure having a second forward and second rearward end, the second lifting structure positioned generally adjacent to the first lifting structure, the second and first lifting structures connected by a common fulcrum positioned approximately in the middle of each lifting structure;

an upper wheel cradle support having a third forward and third rearward end for supporting the tires of the motorcycle, the second rearward end being rotatably and slidably attached to said third rearward end, and the first forward end being rotatably attached to the third forward end;

an articulated lifting system integrated with the first and second lifting structures, the articulated lifting system operative to raise the upper cradle support from a non-deployed position to a fully deployed position;

a roller wheel assembly rotateably attached to the second rearward end of the second lifting structure for rolling the second rearward end of the second lifting structure toward the first forward end of the first lifting structure when raising the upper cradle support to the fully deployed position and moving the lifting device similar to that of a dolly when the cradle support is in the non-deployed position.